

## AMENDMENTS TO THE SPECIFICATION

Please replace the Brief Description of the Drawings beginning on page 6, line 5 with the following:

### Brief Description of the Drawings

Figure 1 is a schematic illustration of a pose estimation system in which the present invention can be employed;

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Figure 2 is a block diagram of an image processor in accordance with one aspect of the invention;

Figures 3a and 3b are illustrations of a planar patch model for a single segment and two articulated segments of a figure, respectively;

Figure 4 is a graph depicting the function for observed farness;[[ and]]

Figure 5 is a graph depicting the function for expected farness; and[[.]]

Figure 6A illustrates a method for estimating the pose of an articulated figure, in accordance with an embodiment of the invention.

Please insert the following new paragraph beginning on page 32, line 21:

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Figure 6A illustrates a method for estimating the pose of an articulated figure, in accordance with an embodiment of the invention. In this example, dense range data is obtained that describes the distance of points on a figure from a reference point (602). A focus of expansion (FOE) of the points on the figure is shifted by an integer value or amount in order to improve the accuracy of a constraint (depth or otherwise) (604). The dense range data is processed to estimate the pose of the figure (606).

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